

# DevSecOps Security Assessment

GDPR-Compliant Pipeline Security Report

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Overall Risk Level

**HIGH**

Compliance Status

**NON-  
COMPLIANT**

Security Issues

**3**

Files Scanned

**5**

## Executive Summary

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This automated security assessment evaluates our DevSecOps pipeline against UK GDPR requirements and cybersecurity best practices. The scan covers static code analysis, secret detection, dependency vulnerabilities, and GDPR compliance patterns.

**Risk Assessment:** 3 security issue(s) detected requiring attention. Immediate remediation recommended for high-severity findings to maintain compliance posture.

# Security Findings

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## **Hardcoded personal data detected - GDPR data minimization violation** ERROR

**File:** app/test\_violations.js (Line 3)

**Business Impact:** Potential compliance and security risk

**Recommended Action:** Review security best practices and implement appropriate controls

## **Potential PII detection in logging statement - GDPR Article 5 violation risk** ERROR

**File:** app/test\_violations.js (Line 4)

**Business Impact:** Data exposure in logs - breach notification requirement, compliance violation

**Recommended Action:** Implement PII filtering in logging, use structured logging with field redaction

## **PII stored without encryption - GDPR Article 32 violation** ERROR

**File:** app/test\_violations.js (Line 6)

**Business Impact:** Article 32 violation - data security inadequacy, audit failure risk

**Recommended Action:** Implement field-level encryption for sensitive data in database

# Strategic Recommendations

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## Compliance Framework Coverage

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- **UK GDPR Articles:** 5 (Data minimization), 6 (Lawful basis), 15 (Access rights), 17 (Erasure), 25 (Privacy by design), 30 (Records), 32 (Security)
- **Security Controls:** Static code analysis, secret detection, dependency scanning, supply chain transparency
- **Automated Compliance:** Pre-commit hooks, CI/CD integration, continuous monitoring
- **Risk Management:** Vulnerability assessment, breach prevention, audit trail maintenance

This report was automatically generated by our GDPR-Compliant DevSecOps Pipeline

For technical details, review the individual scan results in the security-reports directory